

10.0 ABBREVIATION/ACRONYM LIST

AAALAC	Association for Assessment and Accreditation of Laboratory Animal Care
AAB	Ammunition Accountability Branch
ABSL	animal biosafety level
AFI	Air Force Instruction
AFOSH	Air Force Occupational and Environmental Safety, Fire Prevention, and Health
AFOSHSTD	Air Force Occupational Safety and Health Standard
AMC	Army Materiel Command
AMSL	above mean sea level
APG	Aberdeen Proving Ground
APGR	APG Regulation
AQCR	Air Quality Control Region
AR	Army Regulation
ARC	Animal Resources Center
ARMA	Air and Radiation Management Administration
AVC	agent vapor challenge
AVCC	agent vapor challenge concentration
BAIRA	Biological Accident or Incident Response and Assistance
BD	biological defense
BDRDAP	Biological Defense Research, Development, and Acquisition Program
BDRP	Biological Defense Research Program
BGEC	Baltimore Gas and Electric Company
BLM	Bureau of Land Management
BMI	Battelle Memorial Institute
BMTF	Bushnell Materiel Test Facility
BOD	biological oxygen demand
BSC	biological safety cabinet
BSL	biosafety level
Btu	British thermal unit
BWC	Biological Weapons Convention
BWI	Baltimore-Washington International Airport
BWR	biological warfare research
°C	degrees Celsius
CAA	Clean Air Act
CAIRA	Chemical Accident or Incident Response and Assistance
CAW	chemical agent-related waste
CB	chemical and biological
CBCA	Chesapeake Bay Critical Area
CBDP	Chemical and Biological Defense Program
CBL	Chemical and Biological Defensive Warfare Laboratory
CBR	chemical, biological, and radiological
CBW	chemical and biological warfare
ccf	100 cubic feet

CCTF	Combined Chemical Test Facility
CD	chemical defense
CDC	Centers for Disease Control and Prevention
CDP	Census Designated Place
CEQ	Council on Environmental Quality
CFC	chlorofluorocarbons
CFR	<i>Code of Federal Regulations</i>
CHO	Chemical Hygiene Office
CHP	chemical hygiene plan
CHS	controlled hazardous substance
CHWSF	Central Hazardous Waste Storage Facility
CO	carbon monoxide
CO ₂	carbon dioxide
COD	chemical oxygen demand
COMAR	Code of Maryland Regulations
CSM	chemical surety materiel
CSSS	central sanitary sewer system
CTF	Chemical Transfer Facility
CWA	Clean Water Act
CWC	Chemical Weapons Convention
CZMA	Coastal Zone Management Act
DA	Department of the Army
DARPA	Defense Advanced Research Projects Agency
DATSD(CBD)	Deputy Assistant to the Secretary of Defense for Chemical and Biological Defense
DCA	Reagan National Airport
DCR-NH	Department of Conservation and Recreation, Division of Natural Heritage
DDT	dichloro-diphenyl-trichloroethane
DEQ	Department of Environmental Quality
DIS	Directorate of Installation Services
DoD	Department of Defense
DoDD	Department of Defense Directive
DoDI	Department of Defense Instruction
DOT	Department of Transportation
DPG	Dugway Proving Ground
DPGR	Dugway Proving Ground Regulation
DPW	Directorate of Public Works
DRMS	Defense Reutilization Marketing Services
DSHE	Directorate of Safety, Health, and Environment
EA	environmental assessment
ECBC	Edgewood Chemical Biological Center
ECD	Environmental Compliance Division
ECI	Environmental Compliance Inspection
ECO	Environmental Compliance Officer
ECR	entry control roster

Programmatic Environmental Impact Statement

ECRD	Environmental Conservation and Restoration Division
EEB	Environmental Engineering Branch
EIS	environmental impact statement
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
EQO	Environmental Quality Office
ERDEC	Edgewood Research, Development, and Engineering Center
ERP	Employee Reliability Program
ESHO	Environmental Safety and Health Officer
ESOH	Environment, Safety, and Occupational Health
°F	degrees Fahrenheit
FDA	Food and Drug Administration
FDFD	Fort Detrick Fire Department
FOAM	Facilities Operations and Management
FPEIS	final programmatic environmental impact statement
FSP	Facility Safety Plan
FSSP	Facility Safety and Security Plan
GEM	genetically engineered microorganism
HAGLO	hourly average ground-level ozone
HAP	hazardous air pollutant
HAZMAT	hazardous material
HEPA	high-efficiency particulate air
HID	human infective dose
HOU	William P. Hobby Airport
HPAC	Hazard Prediction and Assessment Capability
HQDA	Headquarters, Department of the Army
HRLD	human respiratory lethal dose
HSS	Health and Safety Services
HWM	Hazardous Waste Management
IACUC	Institutional Animal Care and Use Committee
IAD	Dulles International Airport
ID	infective dose
IND	Investigational New Drug
INRMP	Integrated Natural Resource Management Plan
IOP	Internal Operating Procedure
IPT	Integrated Product Team
IRP	Installation Restoration Program
JPO BD	Joint Program Office for Biological Defense
JVAP	Joint Vaccine Acquisition Program
KUSAHC	Kirk U.S. Army Health Clinic
kWh	kilowatt-hour
LACUC	Laboratory Animal Care and Use Committee
LAI	laboratory-acquired illness
LARF	Large-Animal Research Facility
LD	lethal dose
LSTF	Life Sciences Test Facility

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m ²	square meters
m ³	cubic meters
m ³ /min	cubic meters per minute
MAAF	Michael Army Airfield
MACOM	Major Army Command
MARC	Maryland Rail Commuter
MARCORSYSCOM	Marine Corps Systems Command
MCE	maximum credible event
MCL	maximum contaminant level
MDE	Maryland Department of the Environment
MEDCOM	Medical Command
mg/m ³	milligrams per cubic meter
mg/min-m ²	milligrams per minute per square meter
MIPLD	mouse intraperitoneal median lethal dose
mL	milliliters
MLTS	One-Million-Liter Test Sphere
MREF	Medical Research and Evaluation Facility
MRVS	medical research volunteer subject
MSDS	material safety data sheet
MUO	Maintenance and Utilities Office
MVCA	most volatile chemical agent
mWh	megawatt-hour
NAAQS	National Ambient Air Quality Standards
NBC	nuclear, biological, and chemical
NEPA	National Environmental Policy Act
NHP	nonhuman primate
NIH	National Institutes of Health
NO _x	nitrogen oxides
NOU	Notification of Use
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NRC	Nuclear Regulatory Commission
NRHP	National Register of Historic Places
NSWCDL	Naval Surface Warfare Center Dahlgren Laboratory
NWR	National Wildlife Refuge
O ₃	ozone
O&M	operations and maintenance
OAC	Ohio Administrative Code
OMD	Operations and Maintenance Division
OMWM	Operations, Maintenance, and Waste Management
OPNAVINST	Chief of Naval Operations Instruction
ORC	Ohio Revised Code
OSC	Operations Support Command
OSHA	Occupational Safety and Health Administration
OSHP	Occupational Safety and Health Program
P2	Pollution Prevention

Programmatic Environmental Impact Statement

PAA	Phillips Army Airfield
PAH	polynuclear aromatic hydrocarbon
PAM	DA Pamphlet
PCB	polychlorinated biphenyl
PEF	Process Engineering Facility
PEIS	programmatic environmental impact statement
PEO CBD	Program Executive Office for Chemical and Biological Defense
PESHE	Programmatic Environmental, Safety, and Occupational Health Evaluation
PFA	paraformaldehyde
PFU	plaque-forming unit
PHL	Philadelphia International Airport
PI	principal investigator
PM	particulate matter
POTW	publicly owned treatment works
ppb	parts per billion
PPE	personal protection equipment
ppm	parts per million
PRP	Personnel Reliability Program
PTO	Permit to Operate
RAA	restricted-access area
RAB	Restoration Advisory Board
RBTC	risk-based threshold concentration
RCRA	Resource Conservation and Recovery Act
RDA	research, development, and acquisition
rDNA	recombinant DNA
RDT&E	Research, Development, Test, and Evaluation
RI	remedial investigation
RIC	Richmond International Airport
RMP	risk management plan
RRO	Risk Reduction Office
RSC	Radiation Safety Committee
RSO	Radiation Safety Officer
SAP	satellite accumulation point
SAS	satellite accumulation site
SBCCOM	Soldier and Biological Chemical Command
SCOB	Safety and Chemical Operations Branch
SECNAVINST	Secretary of the Navy Instruction
SIA	Special Interest Area
SIP	Special Immunizations Program
SLC	Salt Lake City International Airport
SMW	special medical waste
SO ₂	sulfur dioxide
SOP	standard operating procedure
SR	State Route
SRPO	Safety and Radiation Protection Office

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SSP	Steam Sterilization Plant
SWPPP	Storm Water Pollution Prevention Plan
TAC	Texas Administrative Code
TAP	toxic air pollutant
TCE	trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
TEP	triethylphosphate
TGLO	Texas General Land Office
TNRCC	Texas Natural Resources Conservation Commission
TPW	State of Texas Parks and Wildlife
TSDF	treatment, storage, and disposal facility
TSS	total suspended solids
UDEQ	Utah Department of Environmental Quality
UDWQ	Utah Division of Water Quality
USACEHR	U.S. Army Center for Environmental Health Research
USACOE	U.S. Army Corps of Engineers
USAG	U.S. Army Garrison
USAMRDC	U.S. Army Medical Research and Development Command
USAMRICD	U.S. Army Medical Research Institute of Chemical Defense
USAMRIID	U.S. Army Medical Research Institute of Infectious Diseases
USAMRMC	U.S. Army Medical Research and Materiel Command
USC	<i>United States Code</i>
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USR	U.S. Route
UTMB	University of Texas Medical Branch
UXO	unexploded ordnance
VEE	Venezuelan equine encephalitis
VMLRD	Veterinary Medicine and Laboratory Resources Division
VMD	Veterinary Medicine Division
VOC	volatile organic compound
VPDES	Virginia Pollutant Discharge Elimination System
WAH	Weide Army Helipad
WDTC	West Desert Test Center
WEP	Waste-to-Energy Plant
WTP	water treatment plant
WWTP	wastewater treatment plant
WWI	World War I
WWII	World War II

10.1 Metric Conversion Chart

<i>To Convert Into Metric</i>			<i>To Convert From Metric</i>		
If You Know	Multiply By	To Get	If You Know	Multiply By	To Get
Length					
inches	2.54	centimeters	centimeters	0.3937	inches
feet	30.48	centimeters	centimeters	0.0328	feet
feet	0.3048	meters	meters	3.281	feet
yards	0.9144	meters	meters	1.0936	yards
miles	1.60934	kilometers	kilometers	0.6214	miles
Area					
square inches	6.4516	square centimeters	square centimeters	0.155	square inches
square feet	0.092903	square meters	square meters	10.7639	square feet
square yards	0.8361	square meters	square meters	1.196	square yards
acres	0.40469	hectares	hectares	2.471	acres
square miles	2.58999	square kilometers	square kilometers	0.3861	square miles
Volume					
fluid ounces	29.574	milliliters	milliliters	0.0338	fluid ounces
gallons	3.7854	liters	liters	0.26417	gallons
cubic feet	0.028317	cubic meters	cubic meters	35.315	cubic feet
cubic yards	0.76455	cubic meters	cubic meters	1.308	cubic yards
Weight					
ounces	28.3495	grams	grams	0.03527	ounces
pounds	0.4536	kilograms	kilograms	2.2046	pounds
short tons	0.90718	metric tons	metric tons	1.1023	short tons
Temperature					
Fahrenheit	Subtract 32, then multiply by 0.55556	Celsius	Celsius	Multiply by 1.8, then add 32	Fahrenheit

Metric Prefixes

<i>Prefix</i>	<i>Symbol</i>	<i>Multiplication Factor</i>
exa-	E	1 000 000 000 000 000 000 = 10 ¹⁸
peta-	P	1 000 000 000 000 000 = 10 ¹⁵
tera-	T	1 000 000 000 000 = 10 ¹²
giga-	G	1 000 000 000 = 10 ⁹
mega-	M	1 000 000 = 10 ⁶
kilo-	k	1 000 = 10 ³
hecto-	h	100 = 10 ²
deka-	da	10 = 10 ¹
deci-	d	0.1 = 10 ⁻¹
centi-	c	0.01 = 10 ⁻²
milli-	m	0.001 = 10 ⁻³
micro-	μ	0.000 001 = 10 ⁻⁶
nano-	n	0.000 000 001 = 10 ⁻⁹
pico-	p	0.000 000 000 001 = 10 ⁻¹²
femto-	f	0.000 000 000 000 001 = 10 ⁻¹⁵
atto-	a	0.000 000 000 000 000 001 = 10 ⁻¹⁸